

## Chemical Properties of the Soils

### Montgomery County, Alabama

NOTE: Absence of an entry indicates that data were not estimated.

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Aa:								
Altavista-----	0-9	---	---	3.6-6.5	0	0	0	0
	9-44	---	---	3.6-6.0	0	0	0	0
AbA:								
Amite-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-25	---	---	4.5-5.5	---	---	0	---
	25-60	---	---	4.5-5.5	---	---	0	---
AbB2:								
Amite-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-25	---	---	4.5-5.5	---	---	0	---
	25-60	---	---	4.5-5.5	---	---	0	---
AbC2:								
Amite-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-25	---	---	4.5-5.5	---	---	0	---
	25-60	---	---	4.5-5.5	---	---	0	---
AbD2:								
Amite-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-25	---	---	4.5-5.5	---	---	0	---
	25-60	---	---	4.5-5.5	---	---	0	---
AcC3:								
Amite-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-25	---	---	4.5-5.5	---	---	0	---
	25-60	---	---	4.5-5.5	---	---	0	---
AcD3:								
Amite-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-25	---	---	4.5-5.5	---	---	0	---
	25-60	---	---	4.5-5.5	---	---	0	---
AcE3:								
Amite-----	0-5	---	---	4.5-5.5	---	---	0	---
	5-48	---	---	4.5-5.5	---	---	0	---
	48-60	---	---	4.5-5.5	---	---	0	---
Ad:								
Augusta-----	0-9	---	10-18	4.5-6.0	0	0	0	0
	9-46	---	8.0-14	4.5-6.0	0	0	0	0
Ba:								
Bibb-----	0-18	---	4.0-7.0	3.6-5.5	0	0	0	0
	18-60	---	4.0-10	3.6-5.5	0	0	0	0
BbB3:								
Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
BbC3:								
Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---

## Chemical Properties of the Soils, cont.

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Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
BbD3: Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
BbE3: Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
BcB2: Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
BcC2: Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
BcD2: Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
BdA: Bowie-----	0-18	---	---	4.5-6.0	---	---	0	---
	18-34	---	---	4.5-6.0	---	---	0	---
	34-60	---	---	4.5-6.0	---	---	0	---
BdB: Bowie-----	0-18	---	---	4.5-6.0	---	---	0	---
	18-34	---	---	4.5-6.0	---	---	0	---
	34-60	---	---	4.5-6.0	---	---	0	---
BdB2: Bowie-----	0-18	---	---	4.5-6.0	---	---	0	---
	18-34	---	---	4.5-6.0	---	---	0	---
	34-60	---	---	4.5-6.0	---	---	0	---
BdC2: Bowie-----	0-18	---	---	4.5-6.0	---	---	0	---
	18-34	---	---	4.5-6.0	---	---	0	---
	34-60	---	---	4.5-6.0	---	---	0	---
BeB2: Bowie-----	0-7	---	2.0-8.0	4.5-5.5	0	0	0	0
	7-18	---	2.0-10	4.5-5.5	0	0	0	0
	18-23	---	2.0-10	4.5-5.5	0	0	0	0
	23-60	---	2.0-8.0	4.5-5.5	0	0	0	0
BeC2: Bowie-----	0-7	---	2.0-8.0	4.5-5.5	0	0	0	0
	7-18	---	2.0-10	4.5-5.5	0	0	0	0
	18-23	---	2.0-10	4.5-5.5	0	0	0	0
	23-60	---	2.0-8.0	4.5-5.5	0	0	0	0
Bf: Myatt-----	0-3	---	---	4.5-6.0	---	---	0	---
	3-34	---	---	3.6-5.5	---	---	0	---
	34-60	---	---	3.6-5.5	---	---	0	---
CaA: Cahaba-----	0-14	---	---	4.5-6.0	---	---	0	---
	14-42	---	---	4.5-6.0	---	---	0	---
	42-60	---	---	4.5-6.0	---	---	0	---
CaB2: Cahaba-----	0-14	---	---	4.5-6.0	---	---	0	---
	14-42	---	---	4.5-6.0	---	---	0	---
	42-60	---	---	4.5-6.0	---	---	0	---

## Chemical Properties of the Soils, cont.

## Montgomery County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CaC2:								
Cahaba-----	0-14	---	---	4.5-5.5	---	---	0	---
	14-42	---	---	4.5-5.5	---	---	0	---
	42-60	---	---	4.5-5.5	---	---	0	---
Cb:								
Catalpa-----	0-12	---	---	6.1-8.4	---	---	0	---
	12-60	---	---	6.1-8.4	---	---	0	---
Cc:								
Chastain-----	0-7	---	10-25	3.5-6.0	0	0	0	0
	7-42	---	7.0-45	3.5-6.0	0	0	0	0
Cd:								
Chewacla-----	0-8	---	---	4.5-6.5	---	---	0	---
	8-18	---	---	4.5-6.5	---	---	0	---
	18-42	---	---	4.5-7.8	---	---	0	---
Ce:								
Congaree-----	0-8	5.0-12	---	4.5-7.3	0	0	0	0
	8-42	5.0-18	---	4.5-7.3	0	0	0	0
	42-60	---	---	---	---	---	---	---
Cf:								
Congaree-----	0-6	6.0-15	---	4.5-7.3	0	0	0	0
	6-32	5.0-18	---	4.5-7.3	0	0	0	0
	32-60	---	---	---	---	---	---	---
CgC2:								
Cuthbert-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-13	---	---	3.6-5.5	---	---	0	---
	13-38	---	---	3.6-5.5	---	---	0	---
ChE3:								
Cuthbert-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-13	---	---	3.6-5.5	---	---	0	---
	13-38	---	---	3.6-5.5	---	---	0	---
CkD2:								
Cuthbert-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-13	---	---	3.6-5.5	---	---	0	---
	13-38	---	---	3.6-5.5	---	---	0	---
Lakeland-----	0-54	---	---	4.5-6.0	---	---	0	---
Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
CkE:								
Cuthbert-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-13	---	---	3.6-5.5	---	---	0	---
	13-38	---	---	3.6-5.5	---	---	0	---
Lakeland-----	0-54	---	---	4.5-6.0	---	---	0	---
Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---

## Chemical Properties of the Soils, cont.

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Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CkE2:								
Cuthbert-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-13	---	---	3.6-5.5	---	---	0	---
	13-38	---	---	3.6-5.5	---	---	0	---
Lakeland-----	0-54	---	---	4.5-6.0	---	---	0	---
Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
CkE3:								
Cuthbert-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-13	---	---	3.6-5.5	---	---	0	---
	13-38	---	---	3.6-5.5	---	---	0	---
Lakeland-----	0-54	---	---	4.5-6.0	---	---	0	---
Boswell-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
Ea:								
Eutaw-----	0-8	---	---	4.5-6.0	---	---	0	---
	8-60	---	---	4.5-6.0	---	---	0	---
Eb:								
Eutaw-----	0-8	---	---	4.5-6.0	---	---	0	---
	8-60	---	---	4.5-6.0	---	---	0	---
FaA:								
Flint-----	0-8	---	---	4.5-6.5	---	---	0	---
	8-15	---	---	4.5-5.5	---	---	0	---
	15-45	---	---	4.5-5.5	---	---	0	---
	45-60	---	---	4.5-5.5	---	---	0	---
FaB2:								
Flint-----	0-8	---	---	4.5-6.5	---	---	0	---
	8-15	---	---	4.5-5.5	---	---	0	---
	15-45	---	---	4.5-5.5	---	---	0	---
	45-60	---	---	4.5-5.5	---	---	0	---
FaC2:								
Flint-----	0-8	---	---	4.5-6.5	---	---	0	---
	8-15	---	---	4.5-5.5	---	---	0	---
	15-45	---	---	4.5-5.5	---	---	0	---
	45-60	---	---	4.5-5.5	---	---	0	---
Ga:								
Geiger-----	0-6	30-50	---	5.6-7.8	0	0	0	0
	6-60	40-55	---	5.6-8.4	0-10	0-2	0.0-4.0	0-4
Gb:								
Geiger-----	0-12	30-50	---	5.6-7.8	0	0	0	0
	12-60	40-55	---	5.6-8.4	0-10	0-2	0.0-4.0	0-4
Gc:								
Geiger-----	0-6	30-50	---	5.6-7.8	0	0	0	0
	6-60	40-55	---	5.6-8.4	0-10	0-2	0.0-4.0	0-4
Gd:								
Gullied Land Acid----	0-8	---	---	3.6-5.5	---	---	0	---
	8-13	---	---	3.6-5.5	---	---	0	---
	13-38	---	---	3.6-5.5	---	---	0	---
Ge:								
Gullied Land Calcareous Mater----	0-60	---	---	---	---	---	0	---

# Chemical Properties of the Soils, cont.

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Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
HaB2:								
Houston-----	0-10	---	---	6.1-8.4	---	---	0	---
	10-42	---	---	6.1-8.4	---	---	0	---
	42-60	---	---	6.6-8.4	---	---	0	---
HbB:								
Huckabee-----	0-60	---	---	4.5-6.0	---	---	0	---
IaB:								
Independence-----	0-60	---	---	4.5-6.0	---	---	0	---
	60-70	---	---	4.5-6.0	---	---	0	---
Ib:								
Iuku-----	0-12	---	---	5.1-6.0	---	---	0	---
	12-26	---	---	4.5-5.5	---	---	0	---
	26-60	---	---	4.5-5.5	---	---	0	---
Ic:								
Iuka-----	0-12	---	---	5.1-6.0	---	---	0	---
	12-26	---	---	4.5-5.5	---	---	0	---
	26-60	---	---	4.5-5.5	---	---	0	---
IdA:								
Izagora-----	0-11	---	---	3.6-6.0	---	---	0	---
	11-32	---	---	3.6-5.5	---	---	0	---
	32-60	---	---	3.6-5.5	---	---	0	---
IdB:								
Izagora-----	0-11	---	---	3.6-6.0	---	---	0	---
	11-32	---	---	3.6-5.5	---	---	0	---
	32-60	---	---	3.6-5.5	---	---	0	---
IdC2:								
Izagora-----	0-11	---	---	3.6-6.0	---	---	0	---
	11-32	---	---	3.6-5.5	---	---	0	---
	32-60	---	---	3.6-5.5	---	---	0	---
Ka:								
Kaufman-----	0-14	---	---	5.6-8.4	---	---	0	---
	14-52	---	---	5.6-8.4	---	---	0	---
Kb:								
Kipling-----	0-6	---	---	3.6-6.0	---	---	0	---
	6-60	---	---	3.6-8.4	---	---	0	---
KcA:								
Kipling-----	0-7	---	---	3.6-6.0	---	---	0	---
	7-60	---	---	3.6-8.4	---	---	0	---
KcB2:								
Kipling-----	0-7	---	---	3.6-6.0	---	---	0	---
	7-60	---	---	3.6-8.4	---	---	0	---
KdB:								
Klej-----	0-34	---	1.0-5.0	4.5-5.5	0	0	0	0
	34-46	---	3.0-10	4.5-5.5	0	0	0	0
	46-60	---	3.0-10	4.5-5.5	0	0	0	0
KdC:								
Klej-----	0-34	---	1.0-5.0	4.5-5.5	0	0	0	0
	34-46	---	3.0-10	4.5-5.5	0	0	0	0
	46-60	---	3.0-10	4.5-5.5	0	0	0	0
LaB:								
Lakeland-----	0-54	---	---	4.5-6.0	---	---	0	---

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Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
LaC: Lakeland-----	0-54	---	---	4.5-6.0	---	---	0	---
LaE: Lakeland-----	0-54	---	---	4.5-6.0	---	---	0	---
Lb: Leaf-----	0-12	---	---	3.6-5.5	---	---	0	---
	12-60	---	---	3.6-5.5	---	---	0	---
Lc: Leeper-----	0-12	---	---	5.6-8.4	---	---	0	---
	12-50	---	---	5.6-8.4	---	---	0	---
Ma: Mantachie-----	0-5	---	---	4.5-5.5	---	---	0	---
	5-60	---	---	4.5-5.5	---	---	0	---
Mb: Mixed Alluvial Land--	0-10	---	---	5.6-7.8	---	---	0	---
	10-46	---	---	5.6-7.8	---	---	0	---
	46-62	---	---	5.6-7.8	---	---	0	---
Mc: Mixed Local Alluvial Land-----	0-10	---	---	5.6-7.8	---	---	0	---
	10-46	---	---	5.6-7.8	---	---	0	---
	46-62	---	---	5.6-7.8	---	---	0	---
Oa: Ochlockonee-----	0-12	---	---	4.5-6.5	0	0	0	0
	12-34	---	---	4.5-5.5	0	0	0	0
	34-60	---	---	4.5-5.5	0	0	0	0
ObB2: Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
ObC2: Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
ObC3: Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
ObD2: Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
ObD3: Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
ObE3: Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
OcB2:								
Oktibbeha-----	0-3	---	---	4.5-6.5	---	---	0	---
	3-52	---	---	4.5-6.5	---	---	0	---
	52-60	---	---	6.6-8.4	---	---	0	---
OcC2:								
Oktibbeha-----	0-3	---	---	4.5-6.5	---	---	0	---
	3-52	---	---	4.5-6.5	---	---	0	---
	52-60	---	---	6.6-8.4	---	---	0	---
OcD2:								
Oktibbeha-----	0-3	---	---	4.5-6.5	---	---	0	---
	3-52	---	---	4.5-6.5	---	---	0	---
	52-60	---	---	6.6-8.4	---	---	0	---
OcE2:								
Oktibbeha-----	0-3	---	---	4.5-6.5	---	---	0	---
	3-52	---	---	4.5-6.5	---	---	0	---
	52-60	---	---	6.6-8.4	---	---	0	---
Pa:								
Pheba-----	0-10	---	---	4.5-5.5	---	---	0	---
	10-18	---	---	4.5-5.5	---	---	0	---
	18-60	---	---	4.5-5.5	---	---	0	---
PbA:								
Prentiss-----	0-28	---	---	4.5-5.5	---	---	0	---
	28-60	---	---	4.5-5.5	---	---	0	---
	60-73	---	---	4.5-5.5	---	---	0	---
PbB2:								
Prentiss-----	0-28	---	---	4.5-5.5	---	---	0	---
	28-60	---	---	4.5-5.5	---	---	0	---
	60-73	---	---	4.5-5.5	---	---	0	---
PIT:								
Miscellaneous-----	---	---	---	---	---	---	---	---
Ra:								
Rains-----	0-10	---	1.0-5.0	3.6-6.5	0	0	0	0
	10-60	---	2.0-7.0	3.6-5.5	0	0	0	0
Rb:								
Roanoke-----	0-10	---	---	3.5-5.5	---	---	0	---
	10-25	---	---	3.5-5.5	---	---	0	---
	25-50	---	---	3.5-5.5	---	---	0	---
RcB2:								
Ruston-----	0-11	5.0-10	---	4.5-6.5	0	0	0	0
	11-35	---	10-30	4.5-6.0	0	0	0	0
	35-40	---	2.0-10	4.5-6.0	0	0	0	0
RcC2:								
Ruston-----	0-11	5.0-10	---	4.5-6.5	0	0	0	0
	11-35	---	10-30	4.5-6.0	0	0	0	0
	35-40	---	2.0-10	4.5-6.0	0	0	0	0
RcD2:								
Ruston-----	0-11	---	---	4.5-5.5	---	---	0	---
	11-35	---	---	4.5-5.5	---	---	0	---
	35-60	---	---	4.5-5.5	---	---	0	---
Sa:								
Sandy Alluvial Land--	0-5	---	---	4.5-5.5	---	---	0	---
	5-60	---	---	4.5-5.5	---	---	0	---

## Chemical Properties of the Soils, cont.

## Montgomery County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SbB:								
Sawyer-----	0-8	---	5.0-15	3.6-5.5	0	0	0	0
	8-48	---	10-20	3.6-5.5	0	0	0	0
SbB2:								
Sawyer-----	0-8	---	5.0-15	3.6-5.5	0	0	0	0
	8-48	---	10-20	3.6-5.5	0	0	0	0
SbC2:								
Sawyer-----	0-8	---	5.0-15	3.6-5.5	0	0	0	0
	8-48	---	10-20	3.6-5.5	0	0	0	0
SbD2:								
Sawyer-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-48	---	---	4.5-5.5	---	---	0	---
	48-60	---	---	4.5-5.5	---	---	0	---
ScC3:								
Sawyer-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-48	---	---	4.5-5.5	---	---	0	---
	48-60	---	---	4.5-5.5	---	---	0	---
ScD3:								
Sawyer-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-48	---	---	4.5-5.5	---	---	0	---
	48-60	---	---	4.5-5.5	---	---	0	---
SdC3:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
SdD3:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
SeB:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
SeB2:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
SeC2:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
SeD2:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
SfE:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
SgB2:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---



# Chemical Properties of the Soils, cont.

## Montgomery County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SgC2:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
SgD2:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
ShC3:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
ShD3:								
Shubuta-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-36	---	---	3.6-5.5	---	---	0	---
	36-48	---	---	3.6-5.5	---	---	0	---
Sk:								
Stough-----	0-12	---	---	4.5-5.5	---	---	0	---
	12-32	---	---	4.5-5.5	---	---	0	---
	32-60	---	---	4.5-5.5	---	---	0	---
SmB2:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
SmB3:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
SmC2:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
SmC3:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
SmD2:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
SmD3:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---

## Chemical Properties of the Soils, cont.

## Montgomery County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SnB2:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
SnC2:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
SnC3:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
SnD2:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---

# Chemical Properties of the Soils, cont.

## Montgomery County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SnD3:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
SnE3:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-22	---	---	7.4-8.4	---	0	0	0
	22-38	---	---	7.4-8.4	---	0	0	0
	38-50	---	---	---	---	---	---	---
Oktibbeha-----	0-4	---	---	4.5-6.5	---	---	0	---
	4-45	---	---	4.5-6.5	---	---	0	---
	45-65	---	---	6.6-8.4	---	---	0	---
SoB2:								
Susquehanna-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
SoC2:								
Susquehanna-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
SoD2:								
Susquehanna-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-60	---	---	4.5-5.5	---	---	0	---
Sp:								
Swamp-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-44	---	---	4.5-6.5	---	---	0	---
Ta:								
Terrace Escarpments--	0-11	---	---	4.5-5.5	---	---	0	---
	11-35	---	---	4.5-5.5	---	---	0	---
	35-60	---	---	4.5-5.5	---	---	0	---
Tb:								
Tuscumbia-----	0-8	---	---	5.1-8.4	---	---	0	---
	8-44	---	---	5.1-8.4	---	---	0	---
Tc:								
Tuscumbia-----	0-8	---	---	5.1-8.4	---	---	0	---
	8-44	---	---	5.1-8.4	---	---	0	---
Ua:								
Una-----	0-5	---	---	4.5-5.5	---	---	0	---
	5-48	---	---	4.5-5.5	---	---	0	---
VaA:								
Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VaB:								
Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---

## Chemical Properties of the Soils, cont.

## Montgomery County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
VaB2: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VaC2: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VaD2: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VaE2: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VbA: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VbB: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VbB2: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VbC2: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VbC3: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VbD2: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
VbD3: Vaiden-----	0-6	---	---	4.5-6.5	---	---	0	---
	6-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-7.8	---	---	0	---
WaA: Waugh-----	0-8	2.0-15	---	4.5-6.5	0	0	0	0
	8-60	---	15-50	3.6-6.0	0	0	0	0
WaB2: Waugh-----	0-8	2.0-15	---	4.5-6.5	0	0	0	0
	8-60	---	15-50	3.6-6.0	0	0	0	0
Wb: Wehadkee-----	0-6	---	---	4.5-6.5	---	---	0	---

# Chemical Properties of the Soils, cont.

## Montgomery County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
	6-44	---	---	4.5-6.5	---	---	0	---
WcA:								
West Point-----	0-11	---	---	6.1-8.4	---	---	0	---
	11-45	---	---	6.1-8.4	---	---	0	---
WcB:								
West Point-----	0-11	---	---	6.1-8.4	---	---	0	---
	11-45	---	---	6.1-8.4	---	---	0	---
WdA:								
Wickham-----	0-6	---	---	3.6-6.5	---	---	0	---
	6-20	---	---	3.6-5.5	---	---	0	---
	20-40	---	---	3.6-5.5	---	---	0	---
	40-50	---	---	3.6-5.5	---	---	0	---
WdB2:								
Wickham-----	0-6	---	---	3.6-6.5	---	---	0	---
	6-20	---	---	3.6-5.5	---	---	0	---
	20-40	---	---	3.6-5.5	---	---	0	---
	40-50	---	---	3.6-5.5	---	---	0	---
WdC2:								
Wickham-----	0-6	---	---	3.6-6.5	---	---	0	---
	6-20	---	---	3.6-5.5	---	---	0	---
	20-40	---	---	3.6-5.5	---	---	0	---
	40-50	---	---	3.6-5.5	---	---	0	---
We:								
Wickham-----	0-7	---	---	3.6-6.5	---	---	0	---
	7-20	---	---	3.6-5.5	---	---	0	---
	20-44	---	---	3.6-5.5	---	---	0	---
	44-52	---	---	3.6-5.5	---	---	0	---
WfA:								
Wilcox-----	0-3	---	---	4.5-5.5	---	---	0	---
	3-42	---	---	3.6-5.5	---	---	0	---
	42-50	---	---	---	---	---	---	---
WfB2:								
Wilcox-----	0-3	---	---	4.5-5.5	---	---	0	---
	3-42	---	---	3.6-5.5	---	---	0	---
	42-50	---	---	---	---	---	---	---